

# Notice of Allowability

Application No.

09/833,069

Examiner

Jean M Corrielus

Applicant(s)

GRUENWALD, BJORN J.

Art Unit

2162

## -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to THE AMENDMENT FILED ON February 22, 2005.
  2. ☒ The allowed claim(s) is/are 28-37 and 61-95 renumbered as claimed 1-45.
  3. ☐ The drawings filed on \_\_\_\_\_ are accepted by the Examiner.
  4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
    - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- \* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☒ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

### Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

JEAN M. CORRIELUS  
PRIMARY EXAMINER

### **DETAILED ACTION**

1. This office action is in response to the amendment filed on February 22, 2005, in which claims 1-20 and 38-60 are canceled, claims 61-95 are added, claims 28-37 and 61-95 are presented for further examination.

#### ***Allowable Subject Matter***

2. Claims 28-37 and 61-95 are allowable in light of the Applicant's arguments and in light of the prior art made of record (see PTO 1449 and 892).

#### ***Reason for Indicating Allowable Subject Matter***

3. The present application has been thoroughly reviewed. Upon extensive and exhaustive searches of various databases (see search notes in case jacket), the examiner respectfully submits that the claimed feature "traversing the hierarchy from said occurrence to an instance of the parent using at least one of the direct relationship and the indirect relationship; traversing the hierarchy from said instance of the parent to an instance of one of the first plurality of descendants using the direct relationship; and traversing the hierarchy from said instance of one of the first plurality of descendants to an instance of the one of the at least some of the second plurality of descendants using the direct relationship therebetween" in claim 28; "traversing the hierarchy from said instance of one of the plurality of parents to an instance of one of the first plurality of descendants using the direct relationships; traversing the hierarchy from said instance of one of the first plurality of descendants to an instance of one of the at least some of the second plurality of descendants using the second direct relationship; traversing the hierarchy from said

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instance of one of said second one of the plurality of parents to an instance of one of a second one of the first plurality of descendants using the direct relationships; and traversing the hierarchy from said instance of said second one of the first plurality of descendants to an instance of a second one of the at least some of the second plurality of descendants using the second direct relationships” in claim 37; “organizing the data, based on relationships among the data, into a network including at least one predecessor group and a plurality of descendant groups, wherein said organizing the data, based on relationships among the data, into said hierarchy comprises forming a relational table indicative of relationships between instances of said at least one predecessor group and instances of a first one of said plurality of descendant groups” in claim 61; and “traversing said network from said related data in said at least one predecessor group to a plurality of second related data in said plurality of descendant groups using said relationships among the data, said plurality of second related data corresponding to each instance of data in said plurality of descendant groups that is related to said related data in claim 78, in conjunction with all other limitations of the dependent and independent claims would not found anticipated or obvious over the prior art made of record. Therefore, all pending 28-37 and 61-95 are hereby allowed.

Since allowable subject matter has been indicated, applicant is encouraged to submit formal drawings in response to this Office Action. The early submission of formal drawings will permit the Office to review the drawings for acceptability and to resolve any informalities remaining therein before the application is passed to issue. This will avoid possible delays in the issue process.

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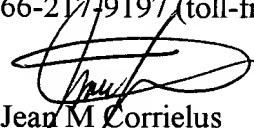
Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance".

### **Conclusion**

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jean M Corrielus whose telephone number is (571) 272-4032. The examiner can normally be reached on 10 hours shift.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Breene can be reached on (571) 272-4107. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Jean M Corrielus  
Primary Examiner  
Art Unit 2162

February 22, 2005